

REQUEST

Fo. ving Office use only ————	
International Application No.	
International Filing Date	
Name of receiving Office and "PCT International Application	ı"

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Of	fice and "PCT International Application"
	Applicant's or agent's (if desired) (12 charact	file reference (sers maximum) SMC 60512X/WO
BOX NO. I TITLE OF INVENTION PROCESS FOR PREPARING OLIGONUCLEO	TIDES	
Box No. II APPLICANT This person	n is also inventor	
Name and address: (Family name followed by given name; for a legal enti The address must include postal code and name of country. The country of th Box is the applicant's State (that is, country) of residence if no State of residence	ne address indicated in this	Telephone No. +44 161 740 1460
Avecia Limited		Facsimile No. +44 161 795 6005
Hexagon House Blackley, Manchester		Teleprinter No.
M9 8ZS United Kingdom		Applicant's registration No. with the Office
State (that is, country) of nationality: GB	State (that is, country) GB	of residence:
This person is applicant for the purposes of: all designated the United States all designated the United States		the United States of America only the States indicated in the Supplemental Box
Box No. III FURTHER APPLICANT(S) AND/OR (FURTH	IER) INVENTOR(S)	
Name and address: (Family name followed by given name: for a legal entity The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence MOODY, David John Earls Road Grangemouth Stirlingshire FK3 8XG United Kingdom	e address indicated in this is is indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
State (that is, country) of nationality: GB	State (that is, country) of GB	of residence:
This person is applicant for the purposes of: all designated the United States all designated the United States		he United States the States indicated in the Supplemental Box
Further applicants and/or (further) inventors are indicated on	a continuation sheet.	
Box No. IV AGENT OR COMMON REPRESENTATIVE;	OR ADDRESS FOR (CORRESPONDENCE
The person identified below is hereby/has been appointed to act on of the applicant(s) before the competent International Authorities as	behalf s: X a	gent common representative
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country.	full official designation.	Telephone No. +44 161 721 1142
REVELL, Christopher Avecia Limited	i i	Facsimile No. +44 161 721 5801
Intellectual Property Group	<u> </u>	Feleprinter No.
PO Box 42, Hexagon House, Blackley		
Manchester M9 8ZS, United Kingdom	Ā	Agent's registration No. with the Office
Address for correspondence: Mark this check-box where no space above is used instead to indicate a special address to wh	agent or common repre	sentative is/has been appointed and the ould be sent.

CL 4		2
Sheet	No.	

Continuation of Box No. Its FURTHER APPLICANT(S)	AND/OR (FURTHER) INVENTOR(S)					
If none of the following sub-boxes is used, this sheet should not be included in the request.						
Name and address: (Family name followed by given name; for a legal enti- The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence WELLINGS, Donald Alfred	the address indicated in this re is indicated below.)					
PO Box 42, Hexagon House Blackley, Manchester M9 8ZS	inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office					
United Kingdom	Applicant stegistration No. with the Office					
State (that is, country) of nationality: GB	State (that is, country) of residence: GB					
This person is applicant for the purposes of: all designated the United States all designated the United States	States except the United States the States indicated in the Supplemental Box					
Name and address: (Family name followed by given name; for a legal entiry The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence MCCORMAC, Paul Earls Road Grangemouth Stirlingshire FK3 8XG United Kingdom	e address indicated in this					
State (that is, country) of nationality: GB	State (that is, country) of residence: GB					
This person is applicant all designated all designated for the purposes of:	States except the United States the States indicated in the Supplemental Box					
Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence	address indicated in this					
State (that is, country) of nationality:	State (that is, country) of residence:					
This person is applicant for the purposes of: all designated States all designated States all designated States	States except the United States the States indicated in the Supplemental Box					
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence is	address indicated in this					
State (that is, country) of nationality:	State (that is, country) of residence:					
This person is applicant all designated States all designated States all designated States all designated States	tates except s of America the United States the States indicated in the Supplemental Box					
Further applicants and/or (further) inventors are indicated on a	another continuation sheet.					



Box No. V DESIGNATION OF STATES

Mark the applicable check-boxes below; at least one must be marked.

The following designations are hereby made under Rule 4.9(a):

Regional Patent

- EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova.
 RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- EP European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT

N	ation	nal Patent (if other kind of protection	or t	reat	ment desired, specify on dotted line):			
X	ΑE	United Arab Emirates						New Zealand
					Croatia			
		Albania					PH	Philippines
X	AM	Armenia	X	ID	Indonesia	-		Poland
		Austria						
X	ΑU	Australia		IN	India			
X	ΑZ	Azerbaijan		IS	Iceland		RU	Russian Federation
M	BA	Bosnia and Herzegovina	XI.	JP	Japan			
					Kenya			
		Bulgaria				X	SD	Sudan
X	BR	Brazil	XI I	ΚP		•		Sweden
		Belarus			of Korea			
Ø	BZ	Belize	XI I	KR	Republic of Korea	X	SK	Slovakia
					Kazakhstan	(32)	SL	Sierra Leone
X	CH	& LI Switzerland and Liechtenstein	X	LC	Saint Lucia	×	TJ	Tajikistan
X	CN	China		LK	Sri Lanka	X	TM	Turkmenistan
			•		Liberia			Tunisia
X	CR	Costa Rica	N I	LS	Lesotho			Turkey
X	CU	Cuba	I D	LT	Lithuania	X	TT	Trinidad and Tobago
X	CZ	Czech Republic	X 1	LU	Luxembourg			
		Germany						United Republic of Tanzania
X	DΚ	Denmark						
X	DM	Dominica		ИD	Republic of Moldova		UG	Uganda
V	DΖ	Algeria				K	US	United States of America
		Ecuador						
X	EE	Estonia		ИΚ	The former Yugoslav Republic of	K	UZ	Uzbekistan
M	ES	Spain			Macedonia	X	VC	Saint Vincent and the Grenadines
X	FI	Finland						Viet Nam
X	GB				Malawi			
					Mexico			
		Georgia				X	ZM	Zambia
X	GH	Ghana	Z I	10	Norway	X :	ZW	Zimbabwe
Ch.	sale L	oxes below reserved for designating St	tata		sich have become party to the PCT a	fler	icen	ance of this sheet
		Nicaragua [_		ance of this sheet.
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Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

- If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which
 a special continuation box is provided, the space is insufficient
 to furnish all the information: in such case, write "Continuation
 of Box No...." (indicate the number of the Box) and furnish the
 information in the same manner as required according to the
 captions of the Box in which the space was insufficient, in
 particular:
- (i) if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. II" or "Continuation of Box So. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;
- (vi) if, in Box No. VI, there are more than five earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.

Continuation of Box IV

FAWKES, David Melville GAIRNS, Raymond Stevenson LOCKE, Timothy John MAYALL, John MORPETH, Fraser Forrest PARLETT, Peter Michael SCHMITT, Maja SHELLER, Alan

All of Intellectual Property Group, Avecia Limited, PO Box 42, Hexagon House, Blackley, Manchester M9 8ZS, United Kingdom

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Cheet	Nο	5 .	

Box No. VI PRIORIT	TY CLAIM				
The priority of the follow	ing earlier application(s) is here	by claimed:			
Filing date	Number	,	Where earlier application	is:	
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application receiving Office	
item (1) _{26/04/2002} 26 April 2002	0209539.6	GB			
item (2)				-	
item (3)				<u> </u>	
item (4)				 	
item (5)					
Further priority claims	s are indicated in the Supplement	ntal Box.	<u> </u>		
The receiving Office is req if the earlier application was above as:	uested to prepare and transmit t s filed with the Office which for t	o the International Bureau he purposes of this international	a certified copy of the extional application is the re	arlier application(s) (only ecciving Office) identified	
all items item	(1) item (2)	item (3) item ((4) item (5)	other, see Supplemental Box	
* Where the earlier applicate Industrial Property or one I	tion is an ARIPO application, in Member of the World Trade Org	dicate at least one country ganization for which that ed	party to the Paris Conver arlier application was file	ntion for the Protection of ed (Rule 4.10(b)(ii)):	
Box No. VII INTERNA	TIONAL SEARCHING AUT	HORITY			
	earching Authority (ISA) (if tw e the Authority chosen; the two-	vo or more International Se letter code may be used):	earching Authorities are c	ompetent to carry out the	
ISA / .EPO	• • • • • • • • • • • • • • • • • • • •	••••••			
International Searching Auti	arlier search; reference to the hority):	at search (if an earlier sea	arch has been carried out	by or requested from the	
Date (day/month/year)	Numbe	r Counti	ry (or regional Office)		
Box No. VIII DECLARA	TIONS				
	are contained in Boxes Nos. V			Number of declarations	
Box No. VIII (i)	Declaration as to the identity	of the inventor		:	
Box No. VIII (ii)	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent:				
Box No. VIII (iii)	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application				
Box No. VIII (iv)	Declaration of inventorship (United States of America)	only for the purposes of the	he designation of the	:	
Box No. VIII (v)	Declaration as to non-prejudi	icial disclosures or excepti	ions to lack of novelty	:	

		е
heet	No	

Box No. IX CHECK LIST; LANGUAGE	E OF FILING	
This international application contains: (a) in paper form, the following number of sheets:	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item): 1. 1. 1. 1. 1. 1. 1. 1.	Numbe of item
request (including declaration sheets) : 6	2. original separate power of attorney	
description (excluding	3. Original general power of attorney	•
sequence listings and/or tables related thereto) : 21	4. copy of general power of attorney; reference number,	•
claims : 3	if any:	. :
abstract : 1	5. statement explaining lack of signature	:
drawings :	6. priority document(s) identified in Box No. VI as item(s):	
Sub-total number of sheets: 31 sequence listings:	7. translation of international application into (language):	
tables related thereto : (for both, actual number of	8. separate indications concerning deposited microorganism or other biological material	•
sheets if filed in paper form, whether or not also filed in	9. sequence listings in computer readable form (indicate type and number of carriers)	•
computer readable form; see (c) below)	(i) copy submitted for the purposes of international search unde Rule 13ter only (and not as part of the international applicati	r on):
Total number of sheets 31 (b) only in computer readable form (Section 801(a)(i))	(ii) (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter	ne :
(i) ☐ sequence listings (ii) ☐ tables related thereto	(iii) together with relevant statement as to the identity of the copy copies with the sequence listings mentioned in left column	or :
(c) also in computer readable form (Section 801(a)(ii))	10. tables in computer readable form related to sequence listings (indicate type and number of carriers)	
(i) ☐ sequence listings (ii) ☐ tables related thereto	(i) copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the internation application)	al
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the	(ii) (only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for th purposes of international search under Section 802(b-quater)	e .
sequence listings:	(iii) I together with relevant statement as to the identity of the copy	or
tables related thereto:	copies with the tables mentioned in left column 11. other (specify):	:
Figure of the drawings which should accompany the abstract:	Language of filing of the international application:	
Box No. X SIGNATURE OF APPLICAN	T. AGENT OR COMMON REPRESENTATIVE	
For Avecia Limited - MOODY, DJ; WEI	ning and the capacity in which the person signs (if such capacity is not obvious from reading	, the request).
	For receiving Office use only	
. Date of actual receipt of the purported international application:	2. Draw	Ŭ
. Corrected date of actual receipt due to later b timely received papers or drawings completing the purported international application:	ut ·	eived:
. Date of timely receipt of the required corrections under PCT Article 11(2):	not	received:
. International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid	
	For International Bureau use only	
Date of receipt of the record copy by the International Bureau:		